Table 4-1

Sampling Locations and Rationale
Site Investigation
Range 4A Fog Oil Storage Area - Pelham Range, Parcel 123(6)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Media	Sample Location Rationale
PR-123-MW01	Surface soil, subsurface soil, and groundwater	Soil boring and monitoring well for surface soil, subsurface soil, and groundwater samples to be placed on northern end of the fenced area, immediately east of the drum handling area. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. The monitoring well location will be used to establish a local groundwater flow direction and site-specific geology, and provide information on groundwater quality in the residuum aquifer. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
PR-123-MW02	Surface soil, subsurface soil, and groundwater	Soil boring and monitoring well for surface soil, subsurface soil, and groundwater samples to be placed in the south central portion of the parcel, approximately 20 feet south of the fenced area. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. The monitoring well location will be used to establish a local groundwater flow direction and site-specific geology, and provide information on groundwater quality in the residuum aquifer. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
PR-123-MW03	Surface soil, subsurface soil, and groundwater	Soil boring and monitoring well for surface soil, subsurface soil, and groundwater samples to be adjacent to the east side of the concrete pad north of the oil water separator. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. The monitoring well location will be used to establish a local groundwater flow direction and site-specific geology, and provide information on groundwater quality in the residuu aquifer. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
PR-123-MW04	Surface soil, subsurface soil, and groundwater	Soil boring and monitoring well for surface soil, subsurface soil, and groundwater samples to be placed in southeast, downslope corner of the parcel. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. The monitoring well location will be used to establish a local groundwater flow direction and site-specific geology, and provide information on groundwater quality in the residuum aquifer. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
PR-123-MW05	Surface soil, subsurface soil, and groundwater	Soil boring and monitoring well for surface soil, subsurface soil, and groundwater samples to be placed potentially upgradient on the west side of the concrete pad. Sampl data will indicate if contaminant releases into the environment have occurred from previous use of this area and if contaminated media exists at this site. The monitoring well location will be used to establish a local groundwater flow direction and site-specific geology, and provide information on groundwater quality in the residuum aquifer. Soil sample data will also be used to assess potential impacts to terrestrial biota that might utilize the site for food and/or habitat purposes.
PR-123-DEP01	Depositional soil	Sample placed at the east side of the parcel at the north end. This is at a surface water drainage feature that ultimately leaves the site and proceeds down the embankment on the east. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
PR-123-DEP02	Depositional soil	Sample placed at the east side of the parcel at the south end. This is at a surface water drainage feature that ultimately leaves the site and proceeds down the embankment on the east. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.
PR-123-DEP03	Depositional soil	Sample placed at the east side of the parcel at the outfall for the oil water separator. This is at the east end of a concrete chute that directs outfall from the oil water separator down an embankment to the east of the parcel. This is at a surface water drainage feature that ultimately leaves the site and proceeds down the embankment on the east. Sample data will indicate if contaminant releases into the environment have occurred from use of this area and if contaminated media exists at this site. Sample data will also be used to assess potential impacts to aquatic biota in the waterway and other ecological receptors that may utilize the waterway for food and/or habitat purposes.